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# ABSTRACT

A control apparatus for a gas analyzer system for controlling a plurality of analyzers having different hardware constitutions in a single program works on a single CPU. The control apparatus includes a processing unit with a CPU which is connected with each gas analyzer by a CPU bus to control each gas analyzer. Each gas analyzer is provided with a plurality of AD converters having respectively a plurality of analog input ports in which the respective output signals of the gas analyzer units are inputted, and a non-volatile memory unit for storing a connection condition table which shows the connection condition of the gas analyzer unit to the AD converters, by connecting with the CPU bus, thereby making it possible for the CPU in the analyzer processing unit to control the respective gas analyzers by a single program.

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